

Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work: Modified Estimate For Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagar in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

SI No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil involving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification								
	RCC Drain	Cum							
	Muneshwara layout								
	1st A main		2	116.50	1.00	0.90	209.70		
	1st main		1	306.00	1.00	0.90	275.40		
	Santoshnagar								
	5th cross		2	341.50	1.00	0.90	614.70		
	Attur								
	2nd main Rd LHS		1	73.70	1.00	0.90	66.33		
	2nd main Rd RHS		1	73.90	1.20	0.90	79.81		
	3rd main Rd LHS		1	75.70	1.20	0.90	81.76		
	3rd main Rd RHS		1	74.60	1.00	0.90	67.14		
	4th main Rd		2	75.80	1.00	0.90	136.44		
	5th main Rd		2	75.30	1.00	0.90	135.54		
	7th Main Rd(From 4th Cross to 2nd Cross rd)		2	148.10	1.00	0.90	266.58		
	7th Main Rd(From 2nd Cross to Sandeep Unnikrishan Rd)		2	118.20	1.20	0.90	255.31		
	8th main Rd		2	113.60	1.00	0.90	204.48		
	Culvert		6	4.60	1.80	0.90	44.71		
							2437.90	244.84	596896.00
	Quoted Rate	244.84							
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	RCC Drain	Cum							
	Muneshwara layout								
	1st A main		2	116.50	1.00	0.15	34.95		
	1st main		1	306.00	1.00	0.15	45.90		
	Santoshnagar								
	5th cross		2	341.50	1.00	0.15	102.45		
	Attur								
	nd main Rd LHS		1	73.70	1.00	0.15	11.06		
	d main Rd RHS		1	73.90	1.20	0.15	13.30		

Description of Items		Unit	No	Length	Width	Depth	Quantity	Rate	Amount
rd main Rd LHS									
3rd main Rd RHS			1	75.70	1.20	0.15	13.63		
4th main Rd			1	74.60	1.00	0.15	11.19		
5th main Rd			2	75.80	1.00	0.15	22.74		
7th Main Rd(From 4th Cross to 2nd Cross rd)			2	75.30	1.00	0.15	22.59		
7th Main Rd(From 2nd Cross to Sandeep Unnikrishan Rd)			2	148.10	1.00	0.15	44.43		
8th main Rd			2	118.20	1.20	0.15	42.55		
			2	113.60	1.00	0.15	34.08		
Culvert			6	4.60	1.80	0.15	7.45		
							406.32	5780.37	2348663.00
Quoted Rate		5780.37							
3	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum, with superplasticiser @ 3lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness). including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses,								
		Cum							
Raft									
RCC Drain									
Muneshwara layout									
1st A main			2	116.50	0.80	0.15	27.96		
1st main			1	306.00	0.80	0.15	36.72		
Santoshnagar									
5th cross			2	341.50	0.80	0.15	81.96		
Attur									
2nd main Rd LHS			1	73.70	0.80	0.15	8.84		
2nd main Rd RHS			1	73.90	0.90	0.15	9.98		
3rd main Rd LHS			1	75.70	0.90	0.15	10.22		
3rd main Rd RHS			1	74.60	0.80	0.15	8.95		
4th main Rd			2	75.80	0.80	0.15	18.19		
5th main Rd			2	75.30	0.80	0.15	18.07		
7th Main Rd(From 4th Cross to 2nd Cross rd)			2	148.10	0.80	0.15	35.54		
7th Main Rd(From 2nd Cross to Sandeep Unnikrishan Rd)			2	118.20	0.90	0.15	31.91		
8th main Rd			2	113.60	0.80	0.15	27.26		
Wall									
Muneshwara layout									
1st A main			4	116.50	0.15	0.60	41.94		
1st main			2	306.00	0.15	0.60	55.08		
Santoshnagar									
5th cross			4	341.50	0.15	0.60	122.94		
Attur									
2nd main Rd LHS			2	73.70	0.15	0.60	13.27		
2nd main Rd RHS			2	73.90	0.15	0.60	13.30		

Description of Items		Unit	No	Length	Width	Depth	Quantity	Rate	Amount
3rd main Rd LHS									
3rd main Rd RHS			2	75.70	0.15	0.60	13.63		
4th main Rd			2	74.60	0.15	0.60	13.43		
5th main Rd			4	75.80	0.15	0.60	27.29		
7th Main Rd(From 4th Cross to 2nd Cross rd)			4	75.30	0.15	0.60	27.11		
			4	148.10	0.15	0.60	53.32		
7th Main Rd(From 2nd Cross to Sandeep Unnikrishan Rd)			4	118.20	0.15	0.60	42.55		
8th main Rd			4	113.60	0.15	0.60	40.90		
							780.36		
Culvert Raft			6	4.60	1.50	0.20	8.28		
Culvert Wall			12	4.60	0.25	0.60	8.28		
							16.56		
							796.92	6297.87	5018899.00
Quoted Rate		6297.87							
4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications								
		Sqm							
RCC Drain									
Muneshwara layout									
1st A main			8	116.50		0.60	559.20		
1st main			4	306.00		0.60	734.40		
Santoshnagar									
5th cross			8	341.50		0.60	1639.20		
Attur									
2nd main Rd LHS			4	73.70		0.60	176.88		
2nd main Rd RHS			4	73.90		0.60	177.36		
3rd main Rd LHS			4	75.70		0.60	181.68		
3rd main Rd RHS			4	74.60		0.60	179.04		
4th main Rd			8	75.80		0.60	363.84		
5th main Rd			8	75.30		0.60	361.44		
7th Main Rd(From 4th Cross to 2nd Cross rd)			8	148.10		0.60	710.88		
7th Main Rd(From 2nd Cross to Sandeep Unnikrishan Rd)			8	118.20		0.60	567.36		
8th main Rd			8	113.60		0.60	545.28		
Culvert			24	4.60		0.60	66.24		
							6262.80	398.42	2495225.00
Quoted Rate		398.42							
5	KSRB 4.9.2 : Providing T.M.T Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured & paid) cost of materials, labour, HOM of machinery complete as per specifications.								
		Tn							
Steel for Drain & Culvert							48.25		
							48.25	78977.64	3810672.00
Quoted Rate		78977.64							

Description of Items		Unit	No	Length	Width	Depth	Quantity	Rate	Amount
providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.									
	RCC Drain	Sqm							
	Muneshwara layout								
	1st A main		2	116.50	0.75		174.75		
	1st main		1	306.00	0.75		229.50		
	Santoshnagar								
	5th cross		2	341.50	0.75		512.25		
	Attur								
	2nd main Rd LHS		1	60.00	0.75		45.00		
	2nd main Rd RHS		1	60.00	0.90		54.00		
	3rd main Rd LHS		1	52.00	0.90		46.80		
	3rd main Rd RHS		1	56.00	0.75		42.00		
	4th main Rd		2	59.00	0.75		88.50		
	5th main Rd		2	60.00	0.75		90.00		
	7th Main Rd(From 4th Cross to 2nd Cross rd)		2	90.00	0.75		135.00		
	7th Main Rd(From 2nd Cross to Sandeep Unnikrishan Rd)		2	100.00	0.90		180.00		
	8th main Rd		2	100.00	0.75		150.00		
							1747.80	2199.54	3844357.00
	Quoted Rate	2199.54							
7	KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications.								
		Cum							
	CC Road								
	Muneshwara layout leadoff road		1	98.00	2.06	0.25	50.47		
	Veerasagara Mn Rd, RHS 1st cross		1	47.50	3.30	0.25	39.19		
							89.66	159.23	14277.00
	Quoted Rate	159.23							
8	KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications.								
		Cum							
	Asphalt Road								
	Muneshwara Layout		1	196.00	6.20	0.30	364.56		
	1st A main		1	55.50	3.95	0.30	65.77		
	6th cross Left Side		1	66.00	3.70	0.30	73.26		
	6th A cross		1	95.00	3.70	0.30	105.45		
	6th B cross		1	45.00	4.50	0.30	60.75		
	1st cross		1	45.00	3.90	0.30	52.65		
	2nd cross								

Description of Items		Unit	No	Length	Width	Depth	Quantity	Rate	Amount
3rd cross			1	44.00	4.50	0.30	59.40		
4th cross			1	44.00	4.10	0.30	54.12		
5th cross			1	47.00	3.70	0.30	52.17		
7th cross			1	95.00	4.10	0.30	116.85		
7th A cross			1	60.00	3.50	0.30	63.00		
7th B cross			1	45.00	4.40	0.25	49.50		
7th C cross			1	23.00	3.55	0.30	24.50		
7th D cross			1	35.00	3.55	0.25	31.06		
Tirumalanagar									
Cross Road			1	101.00	6.00	0.30	181.80		
7th cross			1	194.00	6.70	0.25	324.95		
Rallies Colony									
6th A main			1	96.50	5.37	0.25	129.55		
7th A main			1	123.00	5.50	0.30	202.95		
							2012.29	145.79	293372.00
Quoted Rate			145.79						
9	KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down sizegraded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications.								
		Cum							
CC Road									
Muneshwara layout leadoff road			1	98.00	2.06	0.15	30.28		
Veerasagara Mn Rd, RHS 1st cross			1	47.50	3.30	0.15	23.51		
							53.79	3989.72	214625.00
Quoted Rate			3989.72						
10	KSRRB M600-2. Cement Concrete Pavement :- Construction of un- reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3lts conforming to IS 9103- 1999 reaffirmed 2008, (Coarse and fine aggregate conforming to IS:383) mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. MORTH Specification No. 602. - with M30 @ 360 Kg/cum Cement, C.A, 0.69 cum F.A. 0.46 cum								
		Cum							
CC Road									
Muneshwara layout leadoff road			1	98.00	2.06	0.15	30.28		
Veerasagara Mn Rd, RHS 1st cross			1	47.50	3.30	0.15	23.51		
							53.79	6140.95	330350.00
Quoted Rate			6140.95						

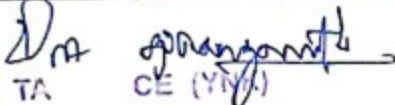
Description of Items		Unit	No	Length	Width	Depth	Quantity	Rate	Amount
Vaccum de-watering with vaccum pump and suction mat and . compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.									
CC Road		Sqm							
Muneshwara layout leadoff road			1	98.00	2.06		201.88		
Veerasagara Mn Rd, RHS 1st cross			1	47.50	3.30		156.75		
							358.63	75.68	27142.00
Quoted Rate		75.68							
12	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 Complete with all lead and lift and as per the direction of the Engineer-in-Charge.								
		Sqm							
							0.00	5.56	0.00
Quoted Rate		5.56							
13	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.								
		Cum							
Asphalt Road									
Muneshwara Layout									
1st A main			1	196.00	6.20	0.225	273.42		
6th cross Left Side			1	55.50	3.95	0.225	49.33		
6th A cross			1	66.00	3.70	0.225	54.95		
6th B cross			1	95.00	3.70	0.225	79.09		
1st cross			1	45.00	4.50	0.225	45.56		
2nd cross			1	45.00	3.90	0.225	39.49		
3rd cross			1	44.00	4.50	0.225	44.55		
4th cross			1	44.00	4.10	0.225	40.59		
5th cross			1	47.00	3.70	0.225	39.13		
7th cross			1	95.00	4.10	0.225	87.64		
7th A cross			1	60.00	3.50	0.225	47.25		
7th B cross			1	45.00	4.40	0.225	44.55		
7th C cross			1	23.00	3.55	0.225	18.37		
7th D cross			1	35.00	3.55	0.225	27.96		
Tirumalanagar			1	101.00	6.00	0.225	136.35		
Cross Road			1	194.00	6.70	0.225	292.46		
7th cross									
Rallies Colony			1	96.50	5.49	0.225	119.20		
6th A main			1	123.00	5.50	0.225	152.21		
7th A main							1592.08	2101.14	3345183.00
Quoted Rate		2101.14							

Description of Items		Unit	No	Length	Width	Depth	Quantity	Rate	Amount
KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM, including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 Complete with all lead and lift and as per the direction of the Engineer-in-Charge									
Asphalt Road									
Muneshwara Layout									
1st A main			1	196.00	6.20		1215.20		
6th cross Left Side			1	55.50	3.95		219.23		
6th A cross			1	66.00	3.70		244.20		
6th B cross			1	95.00	3.70		351.50		
1st cross			1	45.00	4.50		202.50		
2nd cross			1	45.00	3.90		175.50		
3rd cross			1	44.00	4.50		198.00		
4th cross			1	44.00	4.10		180.40		
5th cross			1	47.00	3.70		173.90		
7th cross			1	95.00	4.10		389.50		
7th A cross			1	60.00	3.50		210.00		
7th B cross			1	45.00	4.40		198.00		
7th C cross			1	23.00	3.55		81.65		
7th D cross			1	35.00	3.55		124.25		
Tirumalanagar									
Cross Road			1	101.00	6.00		606.00		
7th cross			1	194.00	6.70		1299.80		
Rallies Colony									
6th A main			1	96.50	5.49		529.79		
7th A main			1	123.00	5.50		676.50		
							7075.91	37.84	267753.00
Quoted Rate			37.84						
15	KSRRB M500-11. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revision using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen								
		Cum							
Asphalt Road									
Muneshwara Layout									
1st A main			1	196.00	6.20	0.05	60.76		
6th cross Left Side			1	55.50	3.95	0.05	10.96		
6th A cross			1	66.00	3.70	0.05	12.21		
6th B cross			1	95.00	3.70	0.05	17.58		
1st cross			1	45.00	4.50	0.05	10.13		
2nd cross			1	45.00	3.90	0.05	8.78		
3rd cross			1	44.00	4.50	0.05	9.90		
4th cross			1	44.00	4.10	0.05	9.02		
5th cross			1	47.00	3.70	0.05	8.70		
7th cross			1	95.00	4.10	0.05	19.48		
7th A cross			1	60.00	3.50	0.05	10.50		
7th B cross			1	45.00	4.40	0.05	9.90		
7th C cross			1	23.00	3.55	0.05	4.08		

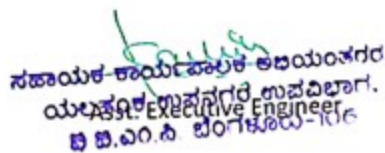
Description of Items		Unit	No	Length	Width	Depth	Quantity	Rate	Amount
16	7th D cross		1	35.00	3.55	0.05	6.21		
	Tirumalanagar								
	Cross Road		1	101.00	6.00	0.05	30.30		
	7th cross		1	194.00	6.70	0.05	64.99		
	Rallies Colony								
	6th A main		1	96.50	5.49	0.05	26.49		
	7th A main		1	123.00	5.50	0.05	33.83		
							353.80	6550.49	2317534.00
	Quoted Rate	6550.49							
	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.								
		Sqm							
	Asphalt Road								
	Muneshwara Layout								
	1st A main		1	196.00	6.20		1215.20		
	6th cross Left Side		1	55.50	3.95		219.23		
	6th A cross		1	66.00	3.70		244.20		
	6th B cross		1	95.00	3.70		351.50		
	1st cross		1	45.00	4.50		202.50		
	2nd cross		1	45.00	3.90		175.50		
	3rd cross		1	44.00	4.50		198.00		
	4th cross		1	44.00	4.10		180.40		
	5th cross		1	47.00	3.70		173.90		
	7th cross		1	95.00	4.10		389.50		
	7th A cross		1	60.00	3.50		210.00		
	7th B cross		1	45.00	4.40		198.00		
	7th C cross		1	23.00	3.55		81.65		
	7th D cross		1	35.00	3.55		124.25		
	Tirumalanagar								
	Cross Road		1	101.00	6.00		606.00		
	7th cross		1	194.00	6.70		1299.80		
	Rallies Colony								
	6th A main		1	96.50	5.49		529.79		
	7th A main		1	123.00	5.50		676.50		
							7075.91	15.58	110243.00
	Quoted Rate	15.58							
17	KSRRB M500- 19. Providing, laying bituminousConcrete using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and filler , transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandem rollers to achieve the desired compaction as per MORTH Table-500.9 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.509 Complete with all lead and lift and as per the direction of the Engineer-in-Charge.								
		Cum							
	Asphalt Road								
	Muneshwara Layout		1	196.00	6.20	0.04	48.61		
	1st A main		1	55.50	3.95	0.04	8.77		
	6th cross Left Side								

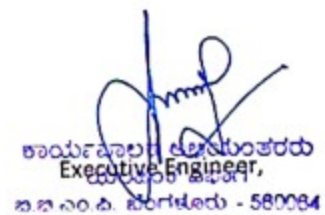
Description of Items		Unit	No	Length	Width	Depth	Quantity	Rate	Amount
5th A cross			1	66.00	3.70	0.04	9.77		
6th B cross			1	95.00	3.70	0.04	14.06		
1st cross			1	45.00	4.50	0.04	8.10		
2nd cross			1	45.00	3.90	0.04	7.02		
3rd cross			1	44.00	4.50	0.04	7.92		
4th cross			1	44.00	4.10	0.04	7.22		
5th cross			1	47.00	3.70	0.04	6.96		
7th cross			1	95.00	4.10	0.04	15.58		
7th A cross			1	60.00	3.50	0.04	8.40		
7th B cross			1	45.00	4.40	0.04	7.92		
7th C cross			1	23.00	3.55	0.04	3.27		
7th D cross			1	35.00	3.55	0.04	4.97		
Tirumalanagar									
Cross Road			1	101.00	6.00	0.04	24.24		
7th cross			1	194.00	6.70	0.04	51.99		
Rallies Colony									
6th A main			1	96.50	5.49	0.04	21.19		
7th A main			1	123.00	5.50	0.04	27.06		
							283.04	8656.09	2449989.00
Quoted Rate		8656.09							
18	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.								
		Sqm							
Asphalt Road									
Muneshwara Layout									
1st A main			2	196.00	0.10		39.20		
6th cross Left Side			2	55.50	0.10		11.10		
6th A cross			2	66.00	0.10		13.20		
6th B cross			2	95.00	0.10		19.00		
1st cross			2	45.00	0.10		9.00		
2nd cross			2	45.00	0.10		9.00		
3rd cross			2	44.00	0.10		8.80		
4th cross			2	44.00	0.10		8.80		
5th cross			2	47.00	0.10		9.40		
7th cross			2	95.00	0.10		19.00		
7th A cross			2	60.00	0.10		12.00		
7th B cross			2	45.00	0.10		9.00		
7th C cross			2	23.00	0.10		4.60		
7th D cross			2	35.00	0.10		7.00		
Tirumalanagar									
Cross Road			2.5	101.00	0.10		25.25		
7th cross			2.5	194.00	0.10		48.50		
Rallies Colony									
6th A main			2	96.50	0.10		19.30		
7th A main			2	123.00	0.10		24.60		
							296.75	477.43	141678.00
Quoted Rate		477.43							

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.								
	Cum					0.00	5001.35	0.00
Quoted Rate	5001.35							
E1 Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge								
	Sqm							
Culvert		6	4.62	1.50		41.58	5688.36	236522.00
						41.58		
Data Rate	5418.00							
4.99 Above TP	270.36							
Total Rate	5688.36							
Technical Sanction								
Approved For Rs. 300.00 Lakhs only.								
Head of A/C P-2415								
CER NO : 43 Dt: 04-11-2020								
Total Construction Cost								27863380.00
Miscellaneous & Rounding Off								4,465.00
Total								27867845.00

TA  CE (YNA)


Assistant Engineer

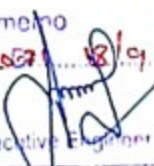

ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ ಅಧೀನ
ಯಂತ್ರಕರಣ ಸಂಸ್ಥೆ
ಇ.ಇ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು - 560084

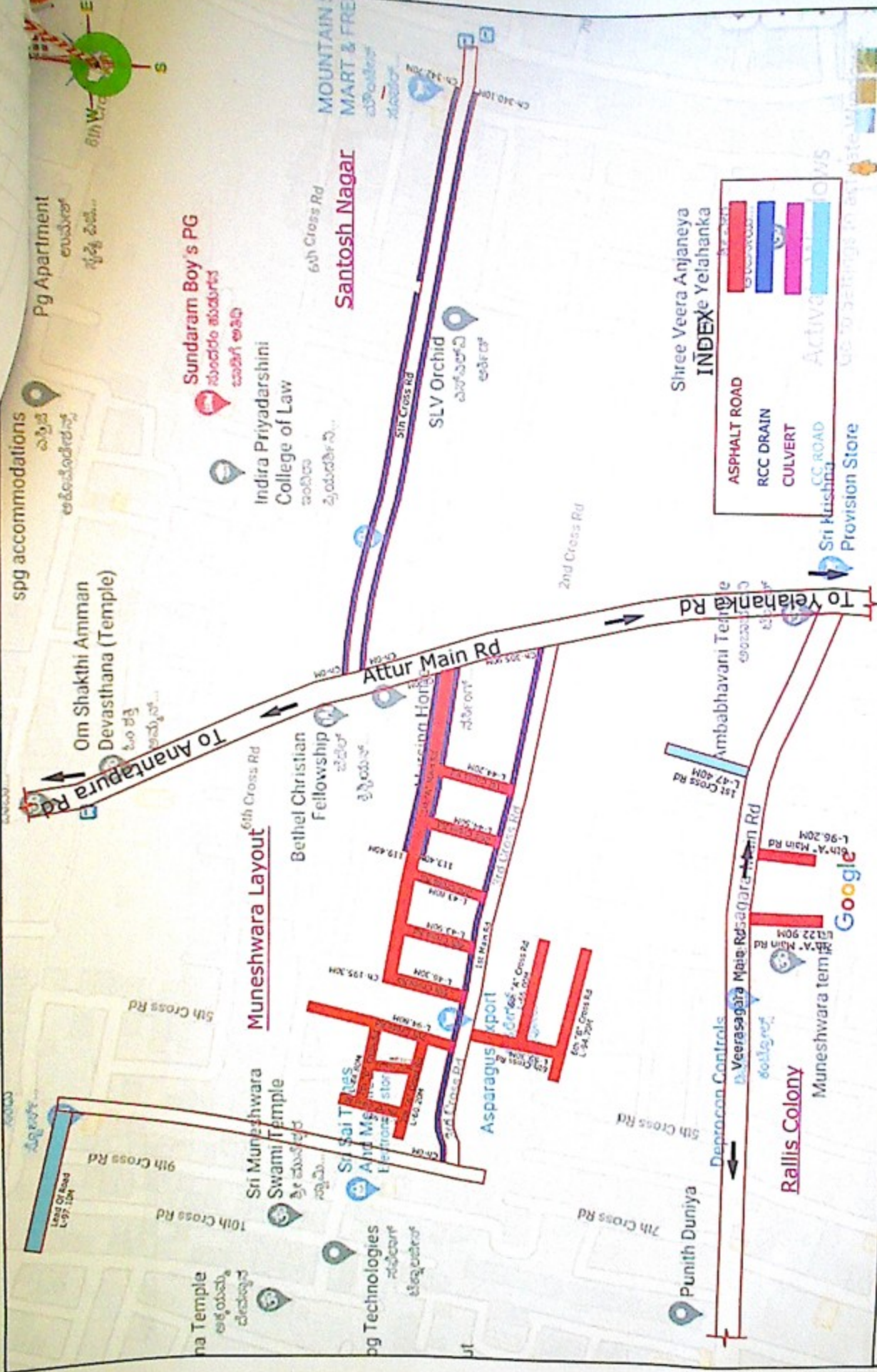

ಕಾರ್ಯದರ್ಶಿ ಅಧೀನ
Executive Engineer,
ಇ.ಇ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು - 560084

Administrative Sanction for Rs. 300.00 Lakhs
[Rupees Three Crores only]

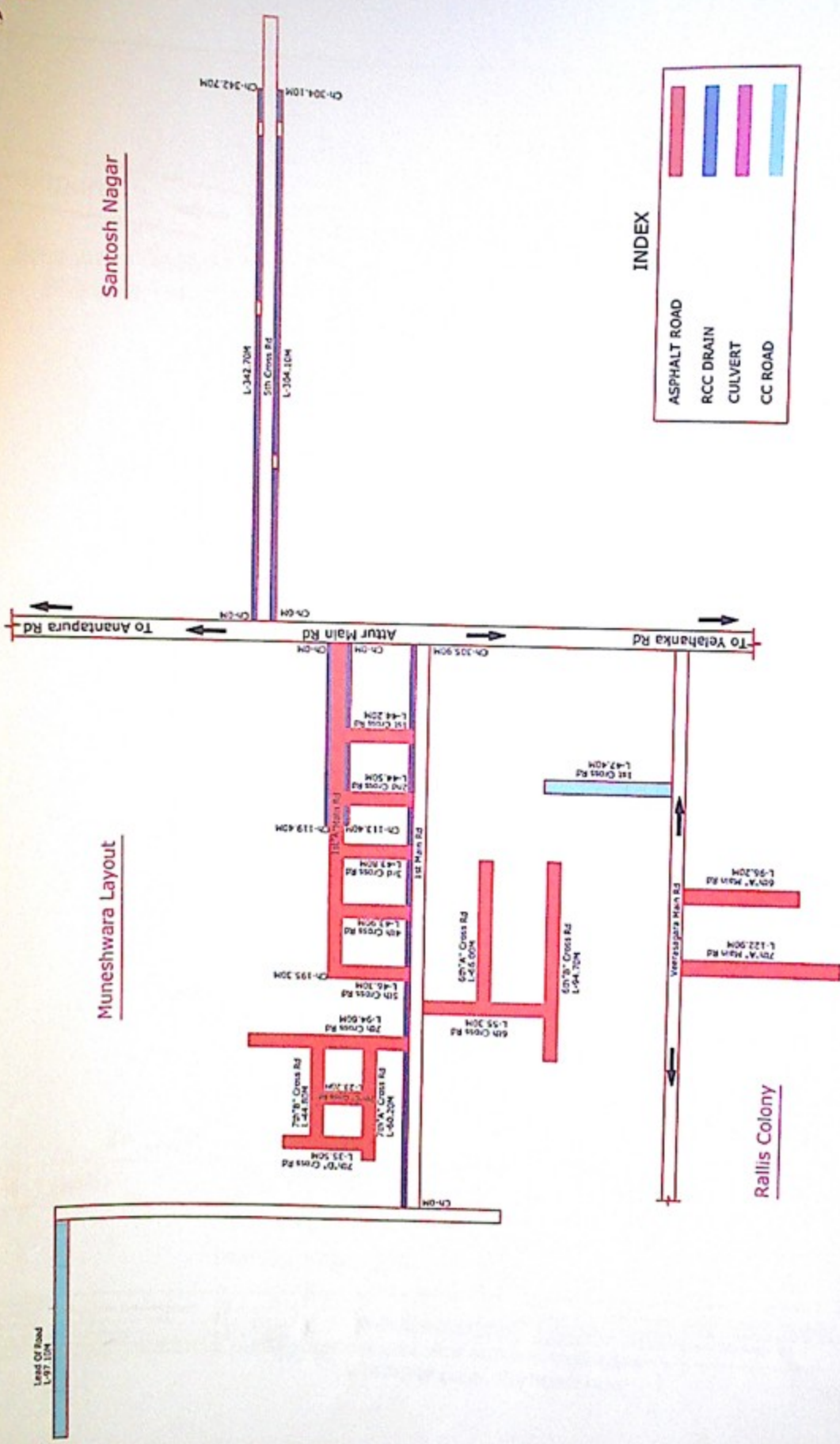
is accorded under head P-2415
Special Development Works
Revenue Fund for T.E.E.

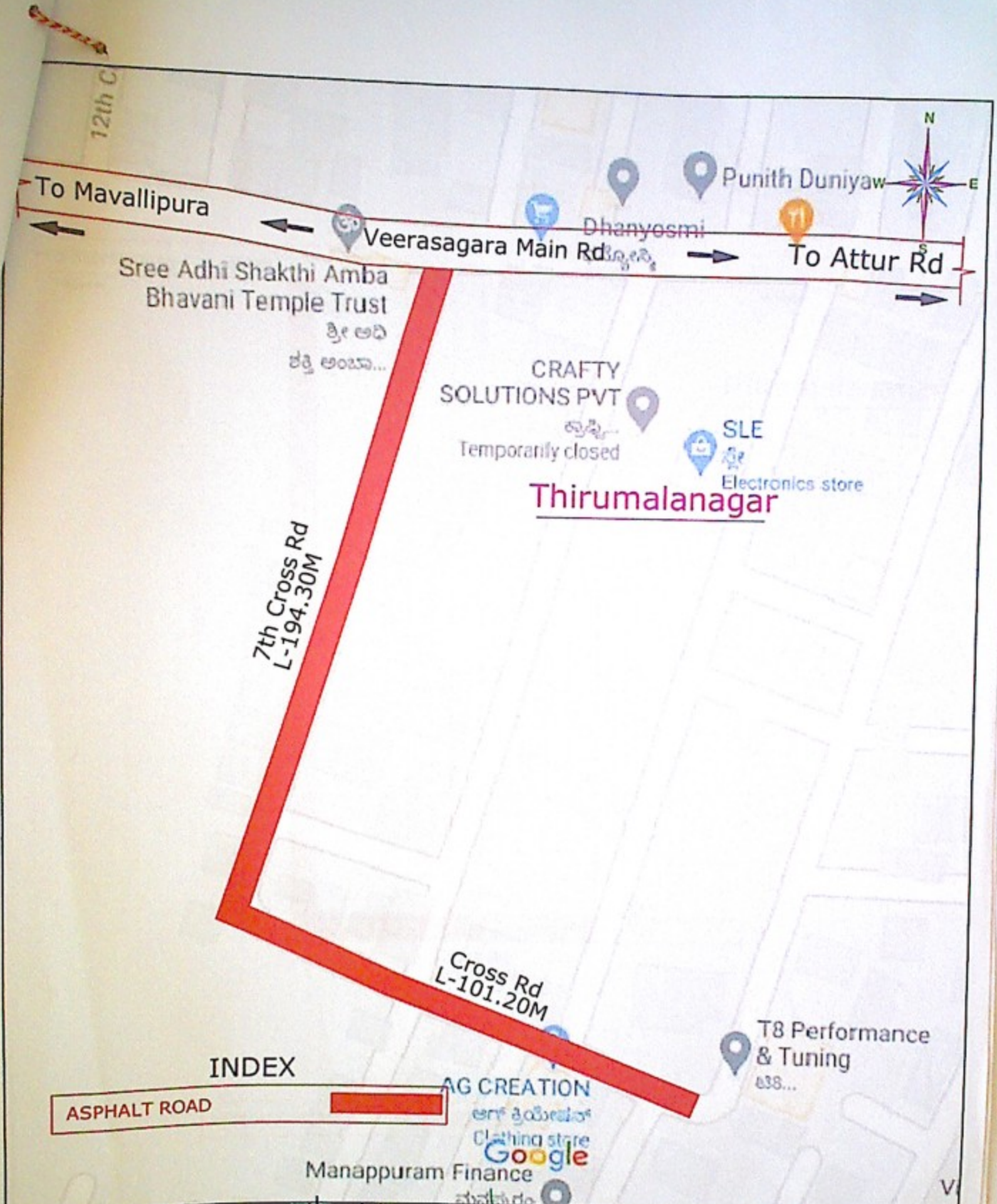
Registered as CE No. 39 Subject
to conditions contained in enclosed memo
No. BOMB/EE(YNA)/AS/39/2020 dt: 04/11/2020


Executive Engineer



CLIENT: NEWZEN CONSULTANTS BANGALORE #13, 10th Main 2nd Cross, Jyoti Nagar, NANA BHARATHI, BANGALORE - 560 056 PH - 8792620231, E-mail: kumar.vinay631@gmail.com	CONSULTANT: NEWZEN CONSULTANTS BANGALORE #13, 10th Main 2nd Cross, Jyoti Nagar, NANA BHARATHI, BANGALORE - 560 056 PH - 8792620231, E-mail: kumar.vinay631@gmail.com	DATE: 12/03/2020 SCALE: NIS DATE: 12/03/2020 SCALE: NIS	PROJECT: Improvements to Roads and Construction of RCC Drains and Culverts at Muneshwaralayout and Santoshnagar in Ward No-03 PREPARED BY: Santhosh Kumar CHECKED BY: Santhosh Kumar APPROVED BY: Santhosh Kumar
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BHARAT BANGALORE BHARAT BANGALORE	NEWZEN CONSULTANTS BANGALORE #13,10,MAIN 2ND CROSS, BHARATNAGAR, BANGALORE-560 004 PH-9720520234, E-mail: newzen@newzen.com		12/11/2023 ಸಹಾಯಕ ಮುಖ್ಯಮಂತ್ರಿ, ಮಂಗಳೂರು ಮಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ 12/11/2023	Page No. 106
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Improvements to Roads and Construction of RCC Drains and
 Sewerage at Muneshwari Layout and Senthosha Nagar in Ward No-03
 of Thirumalanagar Sub Division (Package-03)



To Mavallipura Veerasagara Main Rd To Attur Rd

Thirumalanagar

7th Cross Rd
L-194.30M

Cross Rd
L-101.20M

INDEX

ASPHALT ROAD

BRUNAT BANGALORE MAHARAGARA PALDE	CONSULTANTS BANGALORE NEWZEN CONSULTANTS BANGALORE F/S.16,MAIN 2nd CROSS,MAHARAGARA WARD, JANIA BHARATH, BANGALORE-560 008 Ph-8792520231, E-mail:kumarabruj31@gmail.com	Project Name Improvements to Roads and Construction of RCC Drains and Curbs at Muneshwarlayout and Santhoshnagar in Ward No-03, New Town Sub Division (Package-03)	Scale: A1:1 Date: 10/05/2023 Page: 02
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